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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **SUZUKI, Jun**

Group Art Unit: **Not Yet Assigned**

Serial No.: **10/594,948**

Examiner: **Not Yet Assigned**

Filed: **September 29, 2006**

For. **ACTUATOR FOR PICKUP, PICKUP DEVICE, RECORDING MEDIUM DRIVE  
DEVICE, AND METHOD OF MANUFACTURING ACTUATOR FOR PICKUP**

**LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

March 29, 2007

Sir:

The attention of the Patent and Trademark Office is hereby directed to the PCT Notification of Transmittal of copies of translation of the International Preliminary Report on Patentability (PCT Chapter II) attached herewith.

This Notification is submitted herewith to be placed in the U.S. Patent and Trademark Office file of this case.

Respectfully submitted,

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**23850**

PATENT TRADEMARK OFFICE

Enclosures: PCT Notification of Transmittal of Copies of Translation  
of the International Preliminary Report on Patentability (PCT Chapter II).

(PCT Article 36 and Rule 70)

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/006153

Box No. I

Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ the translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rule 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- ☐ the international application as originally filed/furnished
- ☒ the description:

pages 1, 5-17 as originally filed/furnishedpages\* 4 received by this Authority on 27.01.2006pages\* 2, 3, 3/1 received by this Authority on 18.07.2006

- ☒ the claims:

nos. \_\_\_\_\_ as originally filed/furnished

nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19

nos.\* 1, 12-22 received by this Authority on 18.07.2006

nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

- ☒ the drawings:

sheets fig. 1-10 as originally filed/furnished

sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_

- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☒ the claims, nos. 2-11
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (specify): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (specify): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/006153

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>1, 12-22</u>	YES
	Claims	<u></u>	NO
Inventive step (IS)	Claims	<u>14-17, 21</u>	YES
	Claims	<u>1, 12, 13, 18-20, 22</u>	NO
Industrial applicability (IA)	Claims	<u>1, 12-22</u>	YES
	Claims	<u></u>	NO
2. Citations and explanations (Rule 70.7)			
<p>Document 1: JP 2003-346366 A (Mitsubishi Electric Corp.), 05 December 2003, paragraphs [0014] to [0048], fig. 1 to 16</p> <p>Document 2: JP 2004-47060 A (Samsung Electronics Co., Ltd.), 12 February 2004, paragraphs [0012] to [0019], fig. 5 to 9</p> <p>Document 3: JP 2001-93177 A (Hitachi Media Electronics Co., Ltd.), 06 April 2001, paragraphs [0036] to [0040], fig. 4 to 6</p> <p>Document 4: JP 7-050023 (Matsushita Electric Industrial Co., Ltd.), 21 February 1995, paragraphs [0005] to [0030], fig. 1 to 8 &amp; US 5467328 A1</p> <p>Document 5: JP 2001-229555 A (Pioneer Electronic Corp.), 24 August 2001, paragraphs [0016] to [0087], fig. 1 to 25</p> <p>Document 6: JP 2001-344784 A (Matsushita Electric Industrial Co., Ltd.), 14 December 2001, paragraphs [0021] to [0044], fig. 1 to 5</p> <p>The inventions set forth in claims 1, 12, 13 and 18 to 20 do not involve an inventive step in the light of the inventions disclosed in documents 1 and 2, which are</p>			

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/006153

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

cited in the international search report, and the inventions disclosed in documents 3 and 4, which are cited in the international search report. It would have been easy for a person skilled in the art to conceive of modifying the objective lens driving devices disclosed in documents 1 and 2 so that the rolling center is aligned with the center of gravity or the support center, like in the invention disclosed in document 3, or so that the support center is aligned with the center of gravity or the driving center, like in the invention disclosed in document 4.

The invention set forth in claim 22 does not involve an inventive step in the light of the inventions disclosed in documents 1 to 3 and the inventions disclosed in the abovementioned sections of documents 4 and 5, which are cited in the international search report. Inventions wherein an insert molding process is carried out during the production of an objective lens driving device are well known in the pertinent technical field, as disclosed in documents 4 and 5.

The inventions set forth in claims 14 to 17 and 21 are not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.